Journal of Fluid Mechanics Volume 469 **25 October 2002**

A. S. Fleischer & R. J. Goldstein	High-Rayleigh-number convection of pressurized gases in a horizontal enclosure	1
K. S. Smith, G. Boccaletti, C. C. Henning, I. Marinov, C. Y. Tam, I. M. Held & G. K. Vallis	Turbulent diffusion in the geostrophic inverse cascade	13
G. A. Kopp, F. Giralt & J. F. Keffer	Entrainment vortices and interfacial intermittent turbulent bulges in a plane turbulent wake	49
M. S. Ivanov, G. Ben-Dor, T. Elperin, A. N. Kudryavtsev & D. V. Khotyanovsky	The reflection of asymmetric shock waves in steady flows: a numerical investigation	71
L. Shen, C. Zhang & D. K. P. Yue	Free-surface turbulent wake behind towed ship models: experimental measurements, stability analyses and direct numerical simulations	89
G. A. Voth, A. La Porta, A. M. Crawford, J. Alexander & E. Bodenschatz	Measurement of particle accelerations in fully developed turbulence	121
J. K. Sveen, Y. Guo, P. A. Davies & J. Grue	On the breaking of internal solitary waves at a ridge	161
B. C. Houchens, L. M. Witkowski, & J. S. Walker	Rayleigh–Bénard instability in a vertical cylinder with a vertical magnetic field	189
D. G. Crowdy	Exact solutions for rotating vortex arrays with finite-area cores	209
A. Lindner, D. Bonn, E. Corvera Poiré, M. Ben Amar & J. Meunier	Viscous fingering in non-Newtonian fluids	237
C. F. M. Coimbra & M. H. Kobayashi	On the viscous motion of a small particle in a rotating cylinder	257
J. N. Reinaud & D. G. Dritschel	The merger of vertically offset quasi-geostrophic vortices	287
W. R. C. Phillips	Langmuir circulations beneath growing or decaying surface waves	317
P. Grassia & D. Richardson	A local nonlinear solution as an approximation to low-frequency spanwise jitter in thermoconvective flows	343
D. P. Cavanagh & D. M. Eckmann	The effects of a soluble surfactant on the interfacial dynamics of stationary bubbles in inclined tubes	369
J.-F. Coulombel, S. Benzoni-Gavage & D. Serre	Note on a paper by Robinet, Gressier, Casalis and Moschetta	401

BOOK REVIEWS

Hydrodynamic and Magnetohydrodynamic Turbulent Flows: Modelling and Statistical Theory, by A. Yoshizawa 407

The Handbook of Fluid Dynamics, by R. W. Johnson; Fundamentals of Fluid Mechanics, by J. A. Schetz & A. E. Fuhs 409

INDEX TO VOLUME 469 412

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200210)469;1-U